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IDEWS 2017

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Section 1. Household identification and selection

1.1	Place
	In which village are you?
	Expects a single option response (required)
	2[2]
	3[3]
	□ 4 [4]
1.2	study_id_number
	What is the study ID number of the household where you are?
	Expects a numeric response (required)
1.3	gps_location
	Please capture the GPS location of the household:
	Expects a latitude and longitude coordinate (optional)
1.4	respondent_qualification_wiling
	Is there someone that's willing to answer the questions? We prefer to speak to the person in the household who makes decisions about energy usage
	or who participates in cooking and heating. Or if this is not possible to any other informed adult.
	Expects a single option response (required)
	☐ Yes [1]
	There's nobody home [2]
	No household member wants to take part [3]
	There is no suitable respondent [4]
	☐ I feel unsafe to enter this house [5]
	Branches
	If response Not Equal 'Yes [1]' then skip to end (15.1)
1.5	respondent_name_surname
	What is the respondent's name and surname?
	Expects a single line text response (required)

Section 2. Demography and socio-economic status

2.1	country_born
	In which country were you born?
	Expects a single option response (required)
	South Africa [1]
	Other [2]
	Prerequisites Skip when country_born (2.1) Not Equal 'Other [2]'
2.2	country_other
	Please specify in which country you were born
	Expects a single line text response (required)
	Prerequisites
2.2	Skip when country_born (2.1) Not Equal 'South Africa [1]'
2.3	country_province
	In which PROVINCE were you born?
	Expects a single option response (required)
	☐ Eastern Cape [1]
	☐ Free State [2]
	☐ KwaZulu-Natal [4]
	Limpopo [5]
	☐ Mpumalanga [6]
	□ Northern Cape [7]
	□ North West [8]
	☐ Western Cape [9]
	Not born in South Africa [10]
2.4	number_people
	How many people live on this stand, i.e. within the boundaries of the yard?
	Expects a numeric response (required)
2.5	number_households
	How many separate households live on this plot? A household is a group of people who usually eat together.
	Expects a numeric response (required)
2.6	households_family
	Please complete the sentence: Are all households
	Expects a single option response (required)
	Part of the same family [1]
	not family members – simply renting space [2]

	The remaining questions of this section is about the main household.
2.8	people_main
	How many people, including you, make up this main household?
	Expects a numeric response (required)
2.9	household_children
	How many children under five years of age are part of this household? If there are no children under five, type o
	Expects a numeric response (required)
2.10	household_language
	What is the main language spoken in this (the main/primary) household?
	Expects a single option response (required)
	Afrikaans [1]
	English [2]
	□ Ndebele [3]
☐ Sepedi [4] ☐ Sesotho [5] ☐ Setswana [6]	Sepedi [4]
	Sesotho [5]
	Setswana [6]
	□ Swati [7]
	☐ Tsonga [8]
	□ Venda[9]
	☐ Xhosa [10]
	☐ Zulu [11]
	☐ Other [12]
2.11	household_years
	How long has this household been living in this house?
	(required)
2.12	instruction_people
	The following section will repeat for the number of persons in this household.
2.13	instruction_write down persons
	Please write down the names of every person who lives here, starting with the respondents as Person 1, and there after from the oldest to youngest

2.7 main_household

member.

Section 3. Household member information

3.1	person_name
	What is REPEAT IDX name?
	Expects a single line text response (required)
3.2	person_age
	How old is REPEAT IDX?
	Expects a numeric response (required)
3.3	person_sex
	Is <u>REPEAT IDX</u> male or female?
	Expects a single option response (required)
	☐ Male [1]
	Female [2]
3.4	person_education
25700	
	What is the highest achieved educational qualification for <u>REPEAT IDX</u> ? Expects a single option response (required)
	Expects a single option response (requires)
	None [1]
	Primary [2]
	Secondary [3]
	☐ Tertiary [4]
	Not applicable [5]
	Child is under 5 years old [6]
3.5	person_activity
	Please state the main weekly activity for <u>REPEAT IDX</u> ?
	Expects multiple selected options (required)
	☐ Full time job [1]
	Part time job [2]
	Unemployed [3]
	Housewife / husband [4]
	☐ Informal job [5]
	Tertiary education [6]
	School [7]
	Crèche [8]
	Other [9]

Section 4. Household information

4.1 household_income What is the average monthly income for this household - excluding grants & pensions? Expects a single option response (required) No income [1] R1000 [2] R1001-R5000 [3] > R5001 [4] Don't know [5] 4.2 household_Oldage_grant How many people in the household receive Old age grant/pension? Expects a numeric response (required) 4.3 household_grand_Disability How many people in this household receive disability grant? Expects a numeric response (required) 4.4 household_grant_child How many people in this household receive Child support grant? Expects a numeric response (required) 4.5 household_grant_other Does anyone in this household reveive other grants? Expects a single option response (required) Yes [1] No [2] Prerequisites
Skip when household_grant_other (4.5) Not Equal 'Yes [1]' 4.6 Household_grant_specify Please specify what grant Expects a single line text response (required)

4.7	household_own
	Please state whether members of this household OWN any of the following items (in working order)
	Expects multiple selected options (required)
	Radio [1]
	Television [2]
	☐ Satellite television (e.g. DSTV or M-Net) [3]
	☐ Refrigerator [4]
	☐ Washing machine [5]
	☐ Video/DVD machine [6]
	☐ Microwave [7]
	☐ Car [8]
	Computer [9]
	☐ Telephone (landline) [10]
	Cellular phone (plain) [11]
	Cellular smart phone [12]
	iPad or Tablet [13]
	☐ Internet access [14]

Section 5. Environmental services and practices

5.1	water_drinking
	Where do you mainly get your drinking water from?
	Expects a single option response (required)
	☐ Tap inside dwelling [1]
	Outdoor on-site tap [2]
	Communal tap-offsite [3]
	Private water seller [4]
	Water tanker/ truck [5]
	□ Borehole [6]
	Rain water tank [7]
	River/stream/dam [8]
	Other [9]
5.2	water_available
	If you main source of drinking water is not available, where do you get your drinking water from?
	Expects a single option response (required)
	Tap inside dwelling [1]
	Outdoor on-site tap [2]
	Communal tap-offsite [3]
	Private water seller [4]
	☐ Water tanker/truck [5]
	☐ Borehole [6]
	Rain water tank [7]
	☐ River/stream/dam [8]
	Other [9]
5.3	water_storage
	Do you store water for drinking or cooking in a container? (such as a bucket or 5-litre water container)
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
	Branches
	The second Manager Live State of the second

	Is the container
	Expects a single option response (required)
	Metal, totally open [1]
	☐ Metal, large hole-Big enough to get hand in [2]
	☐ Metal, small hole-Too small to get fist in [3]
	Plastic, totally open [4]
	Plastic, large hole-Big enough to get hand in [5]
	Plastic, small hole-Too small to get fist in [6]
	Other, totally open [7]
	☐ Other, large hole-Big enough to get hand in [8]
	Other, small hole-Too small to get fist in [9]
	☐ Not applicable [10]
5.5	Container_lid
	Does the container have a lid?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
5.6	container_clean
5.0	
	What do you do or add to the water to make it and keep it clean before drinking Expects multiple selected options (required)
	expects multiple selected options (required)
	□ Nothing [1]
	☐ Boil the water [2]
	Add Jik [3]
	Add Chlorine [4]
	Add Jeyes Fluid [5]
	□ Other [6]
	Prerequisites Skip when container_clean (5.6) Excludes 'Other [6]'
5.7	container_clean_specify
	What else do you do or add to the water to make it and keep it clean?
	Expects a single line text response (required)
5.0	container_wash
5.0	
	How often do you wash your drinking water storage container? Expects a single option response (required)
	Expects a single option response (required)
	Daily [1]
	Once or twice a week [2]
	☐ Monthly [3]
	Never [4]
	Other [5]
	99,000,505

5.4 water_container

	Prerequisites Skip when container_wash (5.8) Not Equal 'Other [5]'
5.9	container_wash_other
	You chose other, please explain when you wash your container
	Expects a single line text response (required)
5.10	container_fresh
	When do you add a fresh supply of water to the container?
	Expects a single option response (required)
	☐ If totally empty [1]
	When half empty [2]
5.11	container_take_water
	How do you take water out of the container?
	Expects a single option response (required)
	Using a utensil (scoop, cup, jug) [1]
	☐ Hands [2]
	Other [3]
	Prerequisites
5.12	Skip when container_take_water (5.11) Not Equal 'Other [3]' container_take_water_other
3.12	You chose other, pleae specify how you take water out of the container
	Expects a single line text response (required)
5 13	container_cup
0.10	Is there one special cup that everyone uses for scooping and drinking water from the container?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
5.14	water_swim
	Does anyone in the family ever swim in a nearby water body such as a water reservoir, dam, river?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]

5.15	household_toilet
	What type of toilet does the household mainly use?
	Expects a single option response (required)
	☐ Flush [1]
	Chemical [2]
	☐ Pit latrine [3]
	Communal toilet [4]
	□ Bucket [5]
	Open field [6]
	Other [7]
5.16	refuse_located
	Where is your refuse container (bin) located?
	Expects a single option response (required)
	☐ Kept indoors [1]
	Outdoors [2]
	Do not own a bin [3]
	Branches
	If response Equals 'Do not own a bin [3]' then skip to refuse_collection (5.18)
5.17	refuse_lid
	Does your bin have a properly fitting lid?
	Expects a single option response (required)
	Yes [1]
	□ No [2]
5.18	refuse_collection
	How often is your waste/refuse collected by local authority?
	Expects a single option response (required)
	Daily [1]
	Weekly [2]
	☐ Monthly [3]
	Sporadically [4]
	Never [5]
	Other [6]
	Prerequisites Skip when <i>refuse_collection (5.18)</i> Not Equal 'Other [6]'
5.19	refuse_collection_other
	You chose other, please specify when
	Expects a single line text response (required)

5.20	refuse_not_collected
	If your waste is not collected, how do you dispose of your waste?
	Expects multiple selected options (required)
	Burn [1]
	Bury [2]
	Dump (close to the house) [3]
	Dump within 100m of house [4]
	Dump at municipal dump site [5]
	Dump in river [6]
	Other [7]
	Prerequisites Skip when refuse_not_collected (5.20) Excludes 'Other [7]'
5.21	refuse_not_collected_other
	You use another option, please specify
	Expects a single line text response (required)
F 00	
3.22	animals_yard
	What types of pets/ animals are in the house or the yard?
	Expects multiple selected options (required)
	☐ Cats [1]
	Dogs [2]
	Rodents e.g. Hamster, mice [3]
	Goats [4]
	Sheep [5]
	Chickens [6]
	☐ Birds (such as budgies/pigeons) [7]
	None [8]
	Other [9]
	Prerequisites Skip when animals_yard (5.22) Excludes 'Other [9]'
5.23	animals_yard_other
	You chose other animals, please specify
	Expects a single line text response (required)

Section 6. Housing infrastructure

6.1	instruction_fieldworker
	Please record the type of dwelling used by the main household. (please choose one)
	Expects a single option response (required)
	Formal house built by a professional builder [1]
	Formal house that was self-built [2]
	☐ Informal dwelling [3]
	Backyard dwelling-formal [4]
	☐ Backyard dwelling-informal [5]
	☐ Flat [6]
	Traditional dwelling [7]
	Other [8]
	Prerequisites Skip when instruction_fieldworker (6.1) Not Equal 'Other [8]'
62	instruction_specify
0.2	
	What type of dwelling is used?
	Expects a single line text response (required)
6.3	dwelling_age
	Approximately how old is the house in years?
	Expects a numeric response (required)
6.4	dweilling_rooms
	How many separate rooms are there in this dwelling/ house?
	Expects multiple selected options (required)
	Kitchen (for cooking only) [1]
	Bathrooms / toilets [2]
	□ Dining rooms [3]
	Lounge [4]
	Bedrooms [5]
6.5	dwelling_mould
	Is there mould or mildew (usually black or brown spots) growing on any damp or moist surface inside the home? (e.g. on walls, wallpaper, carpets,
	ceilings, shower, curtains, etc.)
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
6.6	dwelling_dampness
	Do you have any dampness in the dwelling?
	Expects a single option response (required)
	Yes [1]
	□ No [2]

6.7	dwelling_leaks
	Do you have any leaks in the roof or leaking water pipes in or around the dwelling? Expects a single option response (required)
	☐ Yes [1] ☐ No [2]

Section 7. Indoor environmental conditions

7.1	weather_indoors
	When the weather is warm, how does the house feel indoors?
	Expects a single option response (required)
	Cooler than outside [1]
	Same as outside [2]
	☐ Warmer than outside [3]
7.2	weather_hot
	During very hot weather, what do you do to cope? (Respondents can choose more than one)
	Expects multiple selected options (required)
	Sleep [1]
	Sit or lie on the floor indoors [2]
	☐ Sit under a tree or other shaded areas outdoors [3]
	Use a fan [4]
	Use an air conditioner [5]
	☐ Take a cold bath/shower [6]
	☐ Drink cold water/ beverages [7]
	☐ Drink hot tea/coffee/ beverages [8]
	Remove clothing [9]
	Open windows [10]
	Open doors [11]
	Open curtains/ blinds [12]
	Switch off lights [13]
	Do nothing [14]
	□ Swim [15]
	☐ Wet your clothing [16]
	□ Other [17]
	Prerequisites Skip when weather_hot (7.2) Excludes 'Other [17]'
7.3	weather_hot_other
	You chose other, please specify what you do during very hot weather
	Expects a single line text response (required)

	During hot weather, what do you do to help your children cope? (Respondents can choose more than one) Expects multiple selected options (required)
	Experience Section (Federale)
	☐ Encourage child to take a nap [1]
	Sit or lie on the floor indoors [2]
	Sit under a tree or other shaded areas [3]
	Use a fan [4]
	Use an air conditioner [5]
	Take a cold bath / shower [6]
	Drink cold water/ beverages [7]
	Drink hot tea / coffee [8]
	Remove clothing [9]
	Open windows [10]
	Open doors [11]
	Open curtains/ blinds [12]
	Switch off lights [13]
	Do nothing [14]
	Swim [15]
	Wet your clothing [16]
	Other [17]
7.5	Prerequisites Skip when weather_hot_children (7.4) Excludes 'Other [17]' weather_hot_children_other You chose other, please specify what you do to help your children cope
7.6	weather_cold During very cold weather, do you use any of the following systems to heat your home? Expects multiple selected options (required) Wood or coal stove [1] Imbhawula [2] Fireplace [3] Gas [4] Electric heater (oil, bar or asbestos) [5] Paraffin heater [6]

7.4 weather_hot_children

	Prerequisites Skip when weather_cold (7.6) Excludes 'Imbhawula [2]'
7.8	often_Imbhawula
	How often do you use the Imbhawula?
	Expects a single option response (required)
	About everyday [1]
	2-3 times a week [2]
	2-3 times a month [3]
	Seldom [4]
	Never [5]
	Prerequisites Skip when weather_cold (7.6) Excludes 'Fireplace [3]'
79	often Fireplace
1.5	
	How often do you use the Fireplace? Expects a single option response (required)
	About everyday [1]
	☐ 2-3 times a week [2]
	2-3 times a month [3]
	Seldom [4]
	Never [5]
	Prerequisites
7.40	Skip when weather_cold (7.6) Excludes 'Gas [4]'
7.10	often_Gas
	How often do you use the Gas? Expects a single option response (required)
	Expects a single option response (requires)
	About everyday [1]
	☐ 2-3 times a week [2]
	2-3 times a month [3]
	Seldom [4]
	Never [5]
	Prerequisites
7.44	Skip when weather_cold (7.6) Excludes 'Electric heater (oil, bar or asbestos) [5]'
7.11	often_Electric heater
	How often do you use the Electric heater? Expects a single option response (required)
	expense a single option response (regimes)
	About everyday [1]
	2-3 times a week [2]
	2-3 times a month [3]
	Seldom [4]
	Never [5]

	Prerequisites Skip when weather_cold (7.6) Excludes 'Paraffin heater [6]'
	often_paraffin heater
	How often do you use the paraffin heater?
	Expects a single option response (required)
	□ About everyday [1] □ 2-3 times a week [2]
	2-3 times a week [2]
	Seldom [4]
	□ Never [5]
7.13	cooking_daily
	Do you do your daily cooking in the
	Expects a single option response (required)
	☐ Kitchen (part of the house) [1]
	☐ Kitchen (separated from the house) [2]
	Segotlo [3]
7.14	cooking_fuel
	What fuel do you mainly use for cooking?
	Expects a single option response (required)
	☐ Electricity [1]
	Paraffin [2]
	☐ Gas [3]
	☐ Wood [4]
	Coal [5]
	Crop waste / cow dung [6]
	□ Other [7]
	Prerequisites
	Skip when cooking_fuel (7.14) Not Equal 'Other [7]'
7.15	cooking_daily_other
	You chose other, please specify what fuel you use for cooking Expects a single line text response (required)
	Expects a single line text response (required)
7.16	together_family
	Does the family sit in the same room around the stove or cooking fire - when cooking takes place?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
7.17	together_children
	Are children and babies in the same room- around the stove or cooking fire - when cooking is taking place?
	Expects a single option response (required)
	Yes [1]
	□ No [2]

7.18	8 fire_burn		
	If you use an open fire, for how many hours are t	the fires kept burning?	
	Expects a numeric response (required)		
7.19	fire_per day		
	How many times per day is a fire made?		
	Expects a numeric response (required)		
7.20	fire_time		
	Please specify when fires are made		
	Expects multiple selected options (required)		
	☐ Morning [1]		
	Midday [2]		
	Evening [3]		

Section 8. Personel and domestic hygiene

8.1	fruit_buy
	Where do you mainly get your fruit and vegetables from?
	Expects multiple selected options (required)
	□ Shop [1]
	Roadside vendor [2]
	Own garden [3]
8.2	fruit_wash
	Do you and members of your household wash raw fruit and vegetables before eating it?
	Expects a single option response (required)
	Always [1]
	☐ Often [2]
	Sometimes [3]
	Never [4]
8.3	food_store
	If you store food, do you store it in a sealed container?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
8.4	food_store_container
	When you need to store cooked/perishable food, do you store the food in a
	Expects a single option response (required)
	☐ Fridge [1]
	☐ Food cupboard [2]
	☐ Other [3]
8.5	clean_toilet
	How often do you clean your toilet?
	Expects a single option response (required)
	Daily [1]
	☐ Weekly [2]
	Seldom [3]
8.6	food_soil
	Do you or any of your household members eat soil?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]

	Prerequisites Skip when food_soil (8.6) Not Equal 'Yes [1]'
8.7	food_soil_person
	Please specify by person code, who. (P1, P2 ect)
	Expects multiple selected options (required)
	□ P ₁ [1]
	□ P ₃ [3]
	□ P4 [4]
	□ P ₅ [5]
	□ P6 [6]
	□ P _{7 [7]}
	□ P8 [8]
	□ P9 [9]
	□ P10 [10]
8.8	food_nonfood
	Does anyone in household eat other non-food items?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
	Branches
	If response Not Equal 'Yes [1]' then skip to nonfood_nails (8.14)
8.9	food_nonfood_specify
	If yes, please specify- type of non-food item
	(required)
8.10	nonfood_age
	What age is the person? (in years)
	Expects a numeric response (required)
8.11	nonfood_sex
	Is the person male or female?
	Expects a single option response (required)
	□ male [1]
	female [2]
8.12	nonfood_duration
	For how long has this person being eating this?
	(required)

8.13	nonfood_pregnancy
	Was it done during pregnancy?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
8.14	nonfood_nails
	Does anyone in this household especially children bite their nails or suck fingers?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]

Section 9. Health status

9.1 health_symptoms Has REPEAT IDX experienced the following symptoms related to high temperature in the past month? Expects multiple selected options (required) Diarrhoea [1] Dizziness [2] Headaches [3] Nausea [4] Vomiting [5] Rapid breathing [6] Weakness in the body [7] ☐ Fatigue [8] Fainting [9] Fever [10] Hot dry skin [11] Lack of sweating [12] Profuse sweating [13] ☐ Dark coloured urine [14] None of the above [15] Prerequisites
Skip when health_symptoms (9.1) Excludes 'Diarrhoea [1]' 9.2 treatment_Diarrhoea Where did you go for treatment for Diarrhoea? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] ☐ Traditional healer [4] Self-medicated [5] Other [6] Prerequisites
Skip when health_symptoms (9.1) Excludes 'Dizziness [2]' 9.3 treatment_Dizziness Where did you go for treatment for Dizziness? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6]

	Prerequisites Skip when health_symptoms (9.1) Excludes 'Headaches [3]'
9.4	treatment_Headaches
	Where did you go for treatment for Headaches?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Clinic [2]
	Doctor [3]
	Traditional healer [4]
	Self-medicated [5]
	Other [6]
	Prerequisites Skip when health_symptoms (9.1) Excludes 'Nausea [4]'
9.5	treatment_Nausea
3.3	
	Where did you go for treatment for Nausea? Expects multiple selected options (required)
	Expetts maliple selected options (requires)
	☐ Did not seek medical treatment at all [1]
	Clinic [2]
	Doctor [3]
	☐ Traditional healer [4]
	Self-medicated [5]
	Other [6]
	Prerequisites Skip when health companys (0.1) Excludes Verniting [5]!
0.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]'
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting?
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting?
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required)
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1]
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2]
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3]
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4]
9.6	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6]
	treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]'
	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]' treatment_Rapid breathing
	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]' treatment_Rapid breathing Where did you go for treatment for Rapid breathing?
	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]' treatment_Rapid breathing
	Skip when health_symptoms (9.1) Excludes 'Vomiting [5]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]' treatment_Rapid breathing Where did you go for treatment for Rapid breathing?
	skip when health_symptoms (9.1) Excludes 'Vomiting [3]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [4] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]' treatment_Rapid breathing Where did you go for treatment for Rapid breathing? Expects multiple selected options (required)
	treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]' treatment_Rapid breathing Where did you go for treatment for Rapid breathing? Expects multiple selected options (required) Did not seek medical treatment at all [1]
	Iteratment_Vomiting
	Skip when health_symptoms (9.1) Excludes 'Vomiting [3]' treatment_Vomiting Where did you go for treatment for Vomiting? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3] Traditional healer [4] Self-medicated [5] Other [6] Prerequisites Skip when health_symptoms (9.1) Excludes 'Rapid breathing [6]' treatment_Rapid breathing Where did you go for treatment for Rapid breathing? Expects multiple selected options (required) Did not seek medical treatment at all [1] Clinic [2] Doctor [3]

	Prerequisites Skip when health_symptoms (9.1) Excludes 'Weakness in the body [7]'
9.8	treatment_Weakness in the body
	Where did you go for treatment for Weakness in the body?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Clinic [2]
	□ Doctor [3]
	☐ Traditional healer [4]
	Self-medicated [5]
	Other [6]
	Prerequisites
	Skip when health_symptoms (9.1) Excludes 'Fatigue [8]'
9.9	treatment_Fatigue
	Where did you go for treatment for Fatigue?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Doctor [3]
	Traditional healer [4]
	Self-medicated [5]
	Other [6]
	Prerequisites
	Skip when health_symptoms (9.1) Excludes 'Fatigue [8]'
9.10	treatment_Fainting
	Where did you go for treatment for Fainting?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Clinic [2]
	Doctor [3]
	Traditional healer [4]
	Self-medicated [5]
	Other [6]
	Prerequisites Skip when health_symptoms (9.1) Excludes 'Fever [10]'
9.11	treatment_Fever
	Where did you go for treatment for Fever?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Clinic [2]
	☐ Clinic [2] ☐ Doctor [3]
	Clinic [2] Doctor [3] Traditional healer [4]
	☐ Clinic [2] ☐ Doctor [3]

	Prerequisites Skip when <i>health_symptoms</i> (9.1) Excludes 'Hot dry skin [11]'
9.12	treatment_Hot dry skin
	Where did you go for treatment for Hot dry skin?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Clinic [2]
	Doctor [3]
	☐ Traditional healer [4]
	Self-medicated [5]
	☐ Other [6]
	Prerequisites
	Skip when health_symptoms (9.1) Excludes 'Lack of sweating [12]'
9.13	treatment_Lack of sweating
	Where did you go for treatment for Lack of sweating?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Clinic [2]
	Doctor [3]
	☐ Traditional healer [4]
	Self-medicated [5]
	Other [6]
	Conter[6]
	Prerequisites
	Skip when health_symptoms (9.1) Excludes 'Profuse sweating [13]'
9.14	treatment_Profuse sweating
	Where did you go for treatment for Profuse sweating?
	Expects multiple selected options (required)
	Did not seek medical treatment at all [1]
	Doctor [3]
	☐ Traditional healer [4]
	Self-medicated [5]
	Other [6]
	Prerequisites
	Skip when health_symptoms (9.1) Excludes 'Dark coloured urine [14]'
9.15	treatment_Dark coloured urine
	Where did you go for treatment for Dark coloured urine?
	Expects multiple selected options (required)
	☐ Did not seek medical treatment at all [1]
	Clinic [2]
	Doctor [3]
	Doctor [3] Traditional healer [4]
	Doctor [3]

9.16	health_other
	Is there another place where you go for treatment?
	Expects a single option response (required)
	Yes [1]
	□ No [2]
	Prerequisites Skip vhen <i>health_other (9.16)</i> Not Equal 'Yes [1]'
9.17	health_other_specify
	Please specify where you go for treatment
	(required)

Section 10. Past medical history ${\bf r}$

	medical_history
	Has <u>REPEAT IDX</u> in the past year been diagnosed with any of the following illnesses?
	Expects multiple selected options (required)
	Hypertension EVER [1]
	☐ Diabetes EVER [2]
	☐ Heart disease EVER [3]
	Asthma EVER [4]
	Chronic Lung disease EVER [5]
	Pneumonia [6]
	☐ Tuberculosis [7]
	☐ High Cholesterol EVER [8]
	Anaemia [9]
	□ HIV (EVER) [10]
	LI NIV (EVER) [10]
10.2	medical_smoke
10.2	
	Does REPEAT IDX use tobacco? Expects a single option response (required)
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
	Branches
	If response Not Equal 'Yes [1]' then skip to medical_alcohol (10.5)
10.3	- full there
10.5	medical_tabacco
10.5	
10.5	What type of tobacco? Expects multiple selected options (required)
10.5	What type of tobacco?
10.5	What type of tobacco?
10.5	What type of tobacco? Expects multiple selected options (required)
10.5	What type of tobacco? Expects multiple selected options (required) Cigarettes [1]
10.5	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3]
10.5	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4]
10.5	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5]
10.3	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4]
	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6]
	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5]
	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6]
	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6] Prerequisites Skip when medical_tabacco (10.3) Excludes 'Other [6]'
	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6] Prerequisites Skip when medical_tabacco (10.3) Excludes 'Other [6]' medical_tabacco_specify
	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6] Prerequisites Skip when medical_tabacco (10.3) Excludes 'Other [6]' medical_tabacco_specify Please specify what type of tabacco
10.4	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6] Prerequisites Skip when medical_tabacco (10.3) Excludes 'Other [6]' medical_tabacco_specify Please specify what type of tabacco (required)
10.4	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6] Prerequisites Skip when medical_tabacco (10.3) Excludes 'Other [6]' medical_tabacco_specify Please specify what type of tabacco (required)
10.4	What type of tobacco? Expects multiple selected options (required) Cigarettes [1]
10.4	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pipe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6] Prerequisites Skip when medical_tabacco (10.3) Excludes 'Other [6]' medical_tabacco_specify Please specify what type of tabacco (required)
10.4	What type of tobacco? Expects multiple selected options (required) Cigarettes [1] Pripe [2] Snuff [3] Chewing tobacco [4] Hookah pipe [5] Other [6] Prerequisites Skip when medical_tabacco (10.3) Excludes 'Other [6]' medical_tabacco_specify Please specify what type of tabacco (required) medical_alcohol Does REPEAT IDX drink alcohol? Expects a single option response (required)
10.4	What type of tobacco? Expects multiple selected options (required) Cigarettes [1]

Section 11. Medical history 2

11.1 medical_died Has anyone in this dwelling died in the last 12 months? Expects a single option response (required) Yes [1] No [2] If response Not Equal 'Yes [1]' then skip to medical_breastfed (11.5) 11.2 medical_died_age If yes, how old was he/she? Expects a numeric response (required) 11.3 medical_died_sex Please state sex Expects a single option response (required) Male [1] Female [2] 11.4 medical_died_cause What did he/she die of? (required) 11.5 medical_breastfed How many children are currently being breastfed? Expects a numeric response (required)

Section 12. Breastfeading

12.1	breastfed_duration
	Was REPEAT IDX exclusively breastfed in the first six month of his/her life?
	Expects a single option response (required)
	Yes [1]
	□ No [2]

Section 13. Malaria risk assessment

13.1 malaria_prevention What is done to prevent a person from getting malaria? Expects multiple selected options (required) Use bed nets [1] ☐ Wear protective clothing [2] Use insect repellent [3] Use flying-insect spray indoors [4] ☐ Take medicine before and after visiting malaria areas [5] 13.2 malaria_spray At any time in the past 12 months, have the inside walls of your home been sprayed? Expects a single option response (required) Yes [1] No [2] If response Equals 'No [2]' then skip to mosquitoes_inside (13.5) 13.3 malaria_spray_wash Did you wash or clean your walls within 1 month after spraying? Expects a single option response (required) Yes [1] No [2] 13.4 malaria_walls Since your walls have been sprayed, have you covered the walls with anything such as new paint or plaster? Expects a single option response (required) Yes [1] No [2] 13.5 mosquitoes_inside What do you use to get rid of mosquitoes that are inside your house? Expects multiple selected options (required) ☐ Insecticidal sprays [1] ☐ Vaporisation mats [2] Mosquito coils [3] Ceiling fans or air conditioners [4] Nothing [5]

13.6	mosquitoes_nets
	Do you use mosquito nets in your home?
	Expects a single option response (required)
	Yes [1]
	□ No [2]
	Branches
	If response Not Equal 'Yes [1]' then skip to insect_repellent (13.9)
13.7	mosquitoes_nets_condition
	If you use nets, what is the condition of the mosquito nets?
	Expects a single option response (required)
	no holes [1]
	1-4 holes [2]
	□ > 5 holes [3]
	Unused [4]
13.8	mosquitoes_nets_treated
	Do you know if the nets that you used have been treated with chemicals to kill mosquitoes?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
	□ Don't know [3]
13.9	insect_repellent
	Do you use insect repellent to stop mosquitoes from biting you?
	Expects a single option response (required)
	☐ Yes [1]
	□ No [2]
13.10	dwelling_water
	Is your house within 100m of a marshy area or water body?
	Expects a single option response (required)
	☐ Yes [1]
	□ No[2]
	LI NO [2]
13.11	dwelling_water_drainage
	Does your house have good drainage of rainwater and household water away from the house?
	Expects a single option response (required)
	Yes [1]
	□ No [2]
12.42	evening_out
13.12	
	Do you or any members of your household often go out at night/in the evening or spend time outside your house in the evening? Expects a single option response (required)
	☐ Yes [1]
	□ No [2]

Section 14. Population movement

14.1 movement_travel Have you or members of the household travelled to another country or province in the past 6 months? Expects a single option response (required) Yes [1] No [2] If response Not Equal 'Yes [1]' then skip to movement_family (14.5) 14.2 movement_person Please specify who Expects a single line text response (required) 14.3 movement_country If yes, which country/province was visited? Expects a single line text response (required) Among those who travelled, did they take any medicine to prevent getting malaria? Expects a single option response (required) Yes [1] No [2] 14.5 movement_family Do you have a friend or family member from another province or country living with you from time to time? Expects a single option response (required) Yes [1] No [2] Prerequisites Skip when movement_family (14.5) Not Equal 'Yes [1]' 14.6 movement_family_province If yes, which country/province do they come from? Expects a single line text response (required)

Section 15. End

15.1 end

This is the end of the questionnaire. Thank you very much for your participation.